

WHAT IS CLAIMED IS:

1. A connecting structure, comprising:

a metal shield case including;

5 an electric circuit;

an insulative first housing fixed in a state of being inserted into a through hole;

a first terminal held by the first housing to face the through hole and connected to the electric circuit;

10 a seal ring provided at least on an outer periphery of the first housing for sealing an interval between the outer periphery of the first housing and the through hole;

and

a metal bracket fixed to the metal shield case;

15 and

a shield electric wire including;

a center wire;

a shield layer around the center wire electrically connected to the electric circuit;

20 an insulative second housing fitted to the first housing by being inserted into the through hole; and

an second terminal held by the second housing by being connected to the center wire of the shield electric wire and connected to the first terminal in fitting the

25 second housing and the first housing to each other.

2. The connecting structure according to claim 1,  
wherein the metal bracket is integrally provided with the  
insulative second housing, and the metal bracket is fixed to  
5 the metal shield case, so that the metal bracket is configured  
that the insulative second housing is fixed in a state of being  
fit to the insulative first housing.

3. The connecting structure according to claim 1,  
10 wherein the first terminal further include a terminal main body  
penetrated in a front and rear direction through inside of the  
insulative first housing and a fitting projected portion  
projected from the terminal main body to a front side of the  
first terminal, the second terminal include a fitting recess  
15 portion to insert into inside of the fitting projected portion,  
and the first and second terminals are connected by fitting  
the fitting projected portion and the fitting recess portion  
to each other.

20 4. The connecting structure according to claim 1,  
wherein a plurality of the shield electric wires are provided,  
a plurality of the first and second terminals are provided to  
correspond to the respective shield electric wires.

25 5. The connecting structure according to claim 4,

wherein a plurality of the through holes are formed in the shield case, a plurality of housing elements inserted into the respective through holes are integrally formed to be continuous at external portions of the through holes in at least either  
5 one housing of the apparatus side housing or the electric wire side housing.

6. The connecting structure according to claim 1,  
wherein the connector further includes connecting member for  
10 connecting the bracket at the shield layer at an external portion of the insulative second housing, an inner portion of the insulative second housing include a cavity inserted with the shield electric wire, a sealing member for sealing the shield electric wire and the second insulative housing is arranged  
15 at an inner portion of the cavity.